=> fil reg FILE 'REGISTRY' ENTERED AT 07:51:14 ON 05 APR 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 American Chemical Society (ACS)

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STRUCTURE FILE UPDATES: 3 APR 2006 HIGHEST RN 879121-98-9 DICTIONARY FILE UPDATES: 3 APR 2006 HIGHEST RN 879121-98-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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4,00

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=> fil req FILE 'REGISTRY' ENTERED AT 07:51:29 ON 05 APR 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 American Chemical Society (ACS)

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STRUCTURE FILE UPDATES: 3 APR 2006 HIGHEST RN 879121-98-9 3 APR 2006 HIGHEST RN 879121-98-9 DICTIONARY FILE UPDATES:

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

****************** * The CA roles and document type information have been removed from * * the IDE default display format and the ED field has been added, * effective March 20, 2005. A new display format, IDERL, is now * available and contains the CA role and document type information. * ******************

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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122 S AFSRISSGTG GFSRVSSGGS/SQSP L13 S L1 AND SQL<51 L2 L3 3 S L1 AND SQL<101

=> d sqide3 13

ANSWER 1 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN L3

RN 818376-91-9 REGISTRY

L-Serine, glycyl-L-phenylalanyl-L-seryl-L-arginyl-L-valyl-L-seryl-Lserylglycylglycyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

51: PN: US20040265859 SEQID: 51 claimed sequence CN

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 10

PATENT ANNOTATIONS (PNTE):

SEQ3 1 Gly-Phe-Ser-Arg-Val-Ser-Ser-Gly-Gly-Ser

=== === === === === === === ===

HITS AT: 1-10

MF C38 H61 N13 O15

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP

(Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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=> d sqide3 13 2-3
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L3 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN

RN 818376-90-8 REGISTRY

CN Glycine, L-alanyl-L-phenylalanyl-L-seryl-L-arginyl-L-isoleucyl-L-seryl-L-se

OTHER NAMES:

CN 50: PN: US20040265859 SEQID: 50 claimed sequence

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 10

PATENT ANNOTATIONS (PNTE):

SEQ3 1 Ala-Phe-Ser-Arg-Ile-Ser-Ser-Gly-Thr-Gly

=== === === === === === === ===

HITS AT: 1-10

MF C41 H67 N13 O15

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

- 1 REFERENCES IN FILE CA (1907 TO DATE)
- 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
- L3 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN
- RN 301546-83-8 REGISTRY
- CN L-Valine, L-α-glutamyl-L-arginyl-L-lysyl-L-tryptophylglycyl-L-phenylalanyl-L-seryl-L-arginyl-L-valyl-L-seryl-L-serylglycylglycyl-L-seryl-L-phenylalanyl-L-seryl-L-valyl-L-leucylglycyl- (9CI) (CA INDEX NAME)

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    16: PN: US6426072 SEQID: 241 claimed sequence
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    352: PN: US6531315 SEQID: 241 unclaimed sequence
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Sequence | Patent
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Not Given W02000061612
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         |WO2002000174
         unclaimed
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         1 Glu-Arg-Lys-Trp-Gly-Phe-Ser-Arg-Val-Ser-
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HITS AT:
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MF
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    CA
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                 CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
LC
DT.CA CAplus document type: Patent
       Roles from patents: ANST (Analytical study); BIOL (Biological study);
       PREP (Preparation); PRP (Properties); USES (Uses)
Absolute stereochemistry.
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PAGE 1-B

PAGE 1-C

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

17 REFERENCES IN FILE CA (1907 TO DATE)
17 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil caplus FILE 'CAPLUS' ENTERED AT 07:52:17 ON 05 APR 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 5 Apr 2006 VOL 144 ISS 15 FILE LAST UPDATED: 4 Apr 2006 (20060404/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html
'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

=> d que 14

L1 122 SEA FILE=REGISTRY ABB=ON PLU=ON AFSRISSGTG GFSRVSSGGS/SQSP

L4 58 SEA FILE=CAPLUS ABB=ON PLU=ON L1

=> d que 15

L1 122 SEA FILE=REGISTRY ABB=ON PLU=ON AFSRISSGTG GFSRVSSGGS/SQSP

L3 3 SEA FILE=REGISTRY ABB=ON PLU=ON L1 AND SQL<101

L5 18 SEA FILE=CAPLUS ABB=ON PLU=ON L3

=> d .ca 15 1-18

L5 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:

2005:1242399 CAPLUS

DOCUMENT NUMBER:

143:476392

TITLE:

Immunogenic polypeptides, polynucleotides, antibodies

and antigen-presenting cells expressing them for

diagnosis and therapy of lung cancer

INVENTOR(S):

Wang, Tongtong; Peckham, David W.; Retter, Marc W.;

Fanger, Gary R.

PATENT ASSIGNEE(S):

Corixa Corporation, USA

SOURCE:

U.S. Pat. Appl. Publ., 84 pp., Cont.-in-part of U.S.

Ser. No. 313,986.

CODEN: USXXCO

DOCUMENT TYPE:

Patent

22

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT NO.			APPLICATION NO.	
US 2005261166		20051124		20030717
US 6312695	B1	20011106	US 1998-123912	19980727
US 6660838	B1	20031209	US 1998-221107	19981222
US 6821518	B1	20041123	US 1999-285479	19990402
US 2003119763	A1	20030626	US 1999-466396	19991217
US 6696247	B2	20040224		
US 6706262	B1	20040316	US 1999-476496	19991230
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US 6531315	B1	20030311	US 2000-606421	20000628
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US 6426072	B1	20020730	US 2000-643597	20000821
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US 2004235072		20041125	US 2004-775972	20040210
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WO 2005013899		20050616		
WO 2005013899		20050818		
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			DM, DZ, EC, EE, EG, ES	
			IN, IS, JP, KE, KG, KP	
LK, LR, LS,	LT, LU	I, LV, MA,	MD, MG, MK, MN, MW, MX	, MZ, NA, NI,

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NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
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        RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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PRIORITY APPLN. INFO.:
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                                                                A2 20021204
                                            WO 1999-US5798
                                                                A1 19990317
                                            US 2003-623155
                                                                A2 20030717
                                            US 2004-775972
                                                                A 20040210
     Entered STN: 25 Nov 2005
ED
AB
     Compns. and methods for the therapy and diagnosis of cancer, particularly
     lung cancer, are disclosed. Illustrative compns. comprise one or more
     lung tumor polypeptides, immunogenic portions thereof, polynucleotides
     that encode such polypeptides, antigen presenting cell that expresses such
     polypeptides, and T cells that are specific for cells expressing such
     polypeptides. The disclosed compns. are useful, for example, in the
     diagnosis, prevention and/or treatment of diseases, particularly lung
     cancer.
     ICM A61K038-16
         C12Q001-68; C07H021-04; C12N009-00; C07K016-30
INCL 514002000; 435006000; 435183000; 435069100; 435320100; 435325000;
     530388800; 536023200
CC
     15-2 (Immunochemistry)
     Section cross-reference(s): 3, 9, 63
IT
     301546-68-9
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     RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP
     (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
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(immunogenic polypeptides, polynucleotides, antibodies and antigen-presenting cells expressing them for diagnosis and therapy of lung cancer)

L5 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:570448 CAPLUS

DOCUMENT NUMBER: 143:71752

TITLE: Lung cancer-associated cDNAs and proteins and their

use in diagnosis and therapy

INVENTOR(S): Bangur, Chaitanya S.; Zehentner-Wilkinson, Barbara K.

PATENT ASSIGNEE(S): Corixa Corporation, USA

SOURCE: U.S. Pat. Appl. Publ., 86 pp., Cont.-in-part of Ser.

No. US 2004-775972, filed on 10 Feb 2004 which is

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005142620	A1	20050630	US 2004-922124	20040819
US 6312695	B1	20011106	US 1998-123912	19980727
US 6660838	B1	20031209	US 1998-221107	19981222
US 6821518	B1	20041123	US 1999-285479	19990402
US 2003119763	A1	20030626	US 1999-466396	19991217
US 6696247	B2	20040224		
US 6706262	B1	20040316	US 1999-476496	19991230
US 6482597	B1	20021119	US 2000-480884	20000110
US 6518256	B1	20030211	US 2000-542615	20000404
US 6531315	B1	20030311	US 2000-606421	20000628
US 6737514	B1	20040518	US 2000-630940	20000802
US 6426072	B1	20020730	US 2000-643597	20000821
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US 2002147143	A1	20021010	US 2001-897778	20010628
US 2003064947	A1	20030403	US 2001-7700	20011130
US 6960570	B2	20051101		
US 2003138438	A1	20030724	US 2002-117982	20020405
US 2003236209	A1	20031225	US 2002-313986	20021204
US 2005261166	A1	20051124	US 2003-623155	20030717
US 2004235072	A1	20041125	US 2004-775972	20040210
PRIORITY APPLN. INFO.:				B2 19980318
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				B2 20000915 B2 20001009
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				B2 2001212 B2 20010507
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				A2 20010028
			05 2001-7700 P	72 20011130

US 2002-117982 B2 20020405 US 2002-313986 A2 20021204 US 2003-623155 A2 20030717 US 2004-775972 A2 20040210 WO 1999-US5798 A1 19990317

ED Entered STN: 01 Jul 2005

The cDNAs and corresponding proteins corresponding to mRNAs differentially AB expressed in lung squamous cell carcinoma and lung adenocarcinoma are disclosed. Antibodies to the lung cancer-associated proteins and probes for lung cancer-associated nucleic acids may be used in diagnosis of lung cancer. The proteins and cDNAs, antibodies to the proteins, T cells specific for these tumor proteins, and antigen-presenting cells expressing an epitope of these proteins may be used in treatment of lung cancer, e.g., in vaccines. Thus, many novel lung cancer-associated cDNAs/proteins were identified and their expression in normal and tumor tissues examined Some of these cDNAs were expressed in Escherichia coli, HEK293, and CHL-1 cells. N- and C-terminal fragments of one of the proteins were expressed as fusions with Mycobaceterium tuberculosis 32-kilodalton serine proteinase-derived peptide. CTL lines specific for one of the tumor antigens were generated by in vitro whole-gene priming. In particular, the present invention provides use of the L523S protein for diagnosis of cerival cancer.

IC ICM G01N033-574

ICS C07K016-30

INCL 435007230; 530388800

CC 1-6 (Pharmacology)

Section cross-reference(s): 3, 6, 14, 15

301546-68-9P 301546-69-0P 301546-70-3P 301546-71-4P 301546-72-5P IT 301546-76-9P 301546-73-6P 301546-75-8P 301546-77-0P 301546-74-7P 301546-78-1P 301546-80-5P 301546-79-2P 301546-81-6P 301546-82-7P 301546-83-8P 301546-84-9P 301546-85-0P 301546-86-1P 301546-87-2P 301546-89-4P 301546-90-7P 301546-91-8P 301546-88-3P 301546-92-9P 301546-93-0P

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(peptide derived from lung tumor antigen L528S; lung tumor polypeptides, polynucleotides, and antibodies for cancer diagnosis and treatment)

L5 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1996 CAPLUS

DOCUMENT NUMBER: 142:87715

TITLE: Protein and cDNA sequences of a novel human

calcium-activated chloride channel protein CLCA2 and

their use in anti-metastatic therapy

INVENTOR(S): Pauli, Bendicht U.; Elble, Randolph C.; Gruber, Achim

D.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 85 pp., Cont.-in-part of U.S.

Ser. No. 55,412. CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004265859	A1	20041230	US 2004-779949	20040217

US 6309857	B1	20011030	US	1998-193562		19981117
US 2003059861	A1	20030327	US	2001-55412		20011029
US 6692939	B2	20040217				
PRIORITY APPLN. INFO.:			US	1997-65922P	P	19971117
			US	1998-193562	A3	19981117
			US	2001-55412	A2	20011029
			US	1998-193561	A3	19981117

ED Entered STN: 31 Dec 2004

AB Nucleotide sequences which encode a mammalian lung endothelial cell adhesion mol. are disclosed. Also disclosed are nucleotide sequences which encode a lung endothelial cell adhesion mol.-associated protein. Recombinant lung endothelial cell adhesion mol. or recombinant lung endothelial cell adhesion mol.-associated protein may be obtained by culturing in a medium a host cell genetically engineered to contain and express a nucleotide sequence according to the present invention, and recovering the recombinant lung endothelial cell adhesion mol.-associated protein or recombinant lung endothelial cell adhesion mol.-associated protein from the culture medium.

IC ICM C12Q001-68

ICS G01N033-574; C07H021-04; A61K038-08

INCL 435006000; 435007230; 435069100; 435320100; 435325000; 514015000; 530350000; 536023500

CC 3-3 (Biochemical Genetics)

Section cross-reference(s): 1, 6, 13

IT 818376-90-8P 818376-91-9P

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (calcium-activated chloride channel CLCA2 $\beta 4$ integrin-binding motif; protein and cDNA sequences of novel human calcium-activated chloride channel protein CLCA2 and their use in anti-metastatic therapy)

L5 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:1019645 CAPLUS

DOCUMENT NUMBER: 142:3040

TITLE: Compositions comprising cancer antigen sequences for

the therapy and diagnosis of lung cancer

INVENTOR(S): Henderson, Robert A.; Wang, Tongtong; Bangur,

Chaitanva S.

PATENT ASSIGNEE(S): Corixa Corporation, USA

SOURCE: U.S. Pat. Appl. Publ., 86 pp., Cont.-in-part of U.S.

Ser. No. 623,155.

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004235072	A1	20041125	US 2004-775972	20040210
US 6312695	B1	20011106	US 1998-123912	19980727
US 6660838	B1	20031209	US 1998-221107	19981222
US 6821518	B1	20041123	US 1999-285479	19990402
US 2003119763	A1	20030626	US 1999-466396	19991217
US 6696247	B2	20040224		
US 6706262	B1	20040316	US 1999-476496	19991230
US 6482597	B1	20021119	US 2000-480884	20000110
US 6518256	B1	20030211	US 2000-542615	20000404
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ED Entered STN: 26 Nov 2004

AB The present invention provides compns. comprising cancer antigen sequences and methods for the therapy and diagnosis of cancer, particularly lung cancer. Specifically, the method comprises the steps of: (a) contacting a biol. sample obtained from the patient with a binding agent that binds to a lung cancer antigen L762P; (b) detecting in the sample an amount of polypeptide that binds to the binding agent; and (c) comparing the amount of polypeptide to a predetd. cut-off value and therefrom determining the presence of a lung cancer in the patient. Illustrative compns. comprise one or more lung tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells

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expressing such polypeptides. The disclosed compns. are useful, for
     example, in the diagnosis, prevention and/or treatment lung cancer.
IC
     ICM G01N033-574
INCL 435007230
CC
     9-2 (Biochemical Methods)
     Section cross-reference(s): 1, 3, 15
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     RL: PRP (Properties)
        (unclaimed protein sequence; compns. comprising cancer antigen
        sequences for the therapy and diagnosis of lung cancer)
     ANSWER 5 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:
                         2004:403055 CAPLUS
DOCUMENT NUMBER:
                         140:405473
TITLE:
                         Lung tumor proteins, polynucleotides and antibodies
                         for lung cancer therapy and diagnosis
INVENTOR(S):
                         Wang, Tongtong; Fan, Liqun; Kalos, Michael D.; Bangur,
                         Chaitanya S.; Hosken, Nancy A.; Fanger, Gary R.; Li,
                         Samuel X.; Wang, Aijun; Skeiky, Yasir A. W.;
                         Henderson, Robert A.; McNeill, Patricia D.
PATENT ASSIGNEE(S):
                         Corixa Corporation, USA
SOURCE:
                         U.S., 230 pp., Cont.-in-part of U.S. 6,531,315.
                         CODEN: USXXAM
DOCUMENT TYPE:
                         Patent
LANGUAGE:
                         English
FAMILY ACC. NUM. COUNT:
                         22
PATENT INFORMATION:
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US 2003-623155 A2 20030717 US 2004-775972 A2 20040210

ED Entered STN: 19 May 2004

AB Compns. and methods for the therapy and diagnosis of cancer, such as lung cancer, are disclosed. Compns. may comprise one or more lung tumor proteins, immunogenic portions thereof, or polynucleotides that encode such portions. The lung tumor proteins are identified and characterized from cDNA libraries of human lung squamous cell carcinoma and human lung adenocarcinoma. Alternatively, a therapeutic composition may comprise an antigen presenting cell that expresses a lung tumor protein, or a T cell that is specific for cells expressing such a protein. Such compns. may be used, for example, for the prevention and treatment of diseases such as lung cancer. Diagnostic methods based on detecting a lung tumor protein, or mRNA encoding such a protein, in a sample are also provided.

IC ICM C07K016-00

ICS C07K014-00; C07K017-00; A61K038-00; A61K039-395; A61K039-40; C07H021-02; C07H021-04

INCL 530387700; 424130100; 424178100; 530300000; 530350000; 536023100 CC 15-2 (Immunochemistry)

Section cross-reference(s): 3, 9, 63

IT 301546-68-9P 301546-69-0P 301546-70-3P 301546-71-4P 301546-72-5P 301546-73-6P 301546-74-7P 301546-75-8P 301546-76-9P 301546-77-0P 301546-78-1P 301546-79-2P 301546-80-5P 301546-81-6P 301546-82-7P **301546-83-8P** 301546-84-9P 301546-85-0P 301546-86-1P 301546-87-2P 301546-88-3P 301546-89-4P 301546-90-7P 301546-91-8P 301546-92-9P 301546-93-0P 387817-58-5P 387817-59-6P 690276-84-7P 690276-85-8P 690276-86-9P 690276-87-0P 690276-88-1P 690276-89-2P RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(lung tumor proteins, polynucleotides and antibodies for lung cancer therapy and diagnosis)

REFERENCE COUNT:

THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

70

ACCESSION NUMBER: 2004:212103 CAPLUS

DOCUMENT NUMBER: 140:251748

TITLE: Genes showing altered levels of expression in lung

cancer and their use in diagnosis and as a target for

therapy

INVENTOR(S): Wang, Tongtong; Hosken, Nancy A.; Kalos, Michael D.;

Fanger, Gary R.

PATENT ASSIGNEE(S): Corixa Corporation, USA

SOURCE: U.S., 154 pp., Cont.-in-part of U.S. Ser. No. 466,396.

CODEN: USXXAM

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

PATENT NO.	KIND DAT	TE APPL	ICATION NO.	DATE
US 6706262	B1 200	040316 US 1	999-476496	19991230
US 6312695	B1 200)11106 US 1	998-123912	19980727
US 6660838	B1 200	31209 US 1	998-221107	19981222
WO 9947674	A2 199	990923 WO 1	999-US5798	19990317
WO 9947674	A3 200	000120		
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PRIORITY APPLN. INFO.:
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US 2001-7700 A2 20011130 US 2002-117982 A2 20020405 US 2002-313986 A2 20021204 US 2003-623155 A2 20030717 US 2004-775972 A2 20040210

ED Entered STN: 17 Mar 2004

AB Genes that show altered levels of expression in neoplastic lung tissue are identified. The genes and gene products may be useful as targets for the diagnosis and treatment of lung cancer (no data). Vaccines and pharmaceutical compns. for immunotherapy of lung cancer comprising such polypeptides, or DNA mols. encoding such polypeptides, are also provided, together with DNA mols. for preparing the inventive polypeptides.

IC ICM A01N063-00

ICS C07H021-04; C12N015-00; C12N005-00; C12N015-63 INCL 424093200; 536023500; 435320100; 435325000; 435455000

CC 14-1 (Mammalian Pathological Biochemistry)

Section cross-reference(s): 3, 15

 IT
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RL: PRP (Properties)

(unclaimed sequence; genes showing altered levels of expression in lung cancer and their use in diagnosis and as a target for therapy)

REFERENCE COUNT: 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:836746 CAPLUS

DOCUMENT NUMBER: 139:333094

TITLE: Lung cancer-associated cDNAs and proteins and their

use in diagnosis and therapy

INVENTOR(S): Mericle, Barbara; Fanger, Gary R.; Vedvick, Thomas S.;

Carter, Darrick; Watanabe, Yoshihiro; Henderson, Robert A.; Kalos, Michael D.; Spies, Gregory A.; Foy, Teresa M.; Fan, Liqun; Wang, Tongtong; Mcnabb, Andria;

Reed, Steven G.

PATENT ASSIGNEE(S): Corixa Corporation, USA; et al.

SOURCE: PCT Int. Appl., 456 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

PATENT NO.	KIND DATE	APPLICATION NO.	DATE
WO 2003086175	A2 20031023	WO 2003-US10945	20030407
WO 2003086175	A3 20040923		
WO 2003086175	C1 20050210		
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GM, HR, HU,	ID, IL, IN, IS,	JP, KE, KG, KP, KR, KZ,	LC, LK, LR,
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                                                                A2 20011130
                                            WO 2003-US10945
                                                               W 20030407
     Entered STN: 24 Oct 2003
ED
     The cDNAs and corresponding proteins corresponding to mRNAs differentially
AB
     expressed in lung squamous cell carcinoma and lung adenocarcinoma are
     disclosed. Antibodies to the lung cancer-associated proteins and probes for
     lung cancer-associated nucleic acids may be used in diagnosis of lung cancer.
     The proteins and cDNAs, antibodies to the proteins, T cells specific for
     these tumor proteins, and antigen-presenting cells expressing an epitope
     of these proteins may be used in treatment of lung cancer, e.g., in
     vaccines. Thus, many novel lung cancer-associated cDNAs/proteins were
     identified and their expression in normal and tumor tissues examined Some
     of these cDNAs were expressed in Escherichia coli, HEK293, and CHL-1
     cells. N- and C-terminal fragments of one of the proteins were expressed
     as fusions with Mycobaceterium tuberculosis 32-kilodalton serine
     proteinase-derived peptide. CTL lines specific for one of the tumor
     antigens were generated by in vitro whole-gene priming.
IC
     ICM A61B
     1-6 (Pharmacology)
CC
     Section cross-reference(s): 3, 6, 14, 15
IT
     301546-68-9P
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     RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);
     DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL
     (Biological study); PREP (Preparation); USES (Uses)
        (peptide derived from lung tumor antigen L528S; compns. and methods for
        the therapy and diagnosis of lung cancer)
```

L5

ACCESSION NUMBER:

2003:570453 CAPLUS

DOCUMENT NUMBER:

139:132437

TITLE:

Lung cancer antigens and cDNAs encoding them and their

diagnostic, prophylactic and therapeutic uses

INVENTOR(S):

Mericle, Barbara; Fanger, Gary R.; Vedvick, Thomas S.; Carter, Darrick; Watanabe, Yoshihiro; Henderson,

Robert A.; Kalos, Michael D.; Spies, A. Gregory; Foy,

Teresa M.; Fan, Liqun; Wang, Tongtong

PATENT ASSIGNEE(S): Corixa Corporation, USA

SOURCE:

U.S. Pat. Appl. Publ., 75 pp., Cont.-in-part of U.S.

Ser. No. 7,700.

CODEN: USXXCO

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 22

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WO 2003-US10945
                  A2 20030717
US 2003-623155
US 2004-775972
                  A2 20040210
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ED Entered STN: 25 Jul 2003

AB Lung cancer-specific antigens are identified and characterized and cDNAs encoding a number of them are cloned and characterized. The antigens, or epitopes derived from them may be useful in the diagnosis, prevention, or treatment of lung cancer. Characterization of a number of antigens, including tissue distribution and the identification of T cell epitopes is demonstrated.

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IC ICM A61K039-00
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INCL 424185100; 424277100

CC 15-2 (Immunochemistry)

Section cross-reference(s): 3, 9, 63

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RL: PRP (Properties)

(unclaimed sequence; lung cancer antigens and cDNAs encoding them and their diagnostic, prophylactic and therapeutic uses)

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L5 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
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ACCESSION NUMBER: 2003:261014 CAPLUS

DOCUMENT NUMBER: 138:302631

TITLE: Lung carcinoma-derived polypeptides, polynucleotides,

probes and primers, and antibodies for cancer therapy

and diagnosis

INVENTOR(S): Wang, Tongtong; Wang, Aijun; Skeiky, Yasir A. W.; Li,

Samuel X.; Kalos, Michael D.; Henderson, Robert A.;

McNeill, Patricia D.; Fanger, Neil; Retter, Marc W.; Durham, Margarita; Fanger, Gary R.; Vedvick, Thomas S.; Carter, Darrick; Watanabe, Yoshihiro; Peckham, David W.; Cai, Feng; Foy, Teresa M.

Corixa Corporation, USA

PATENT ASSIGNEE(S):

SOURCE:

U.S. Pat. Appl. Publ., 296 pp., Cont.-in-part of U.S.

Ser. No. 897,778. CODEN: USXXCO

DOCUMENT TYPE:

LANGUAGE:

Patent English

22

FAMILY ACC. NUM. COUNT:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003064947	Al	20030403	US 2001-7700	20011130
US 6960570	B2	20051101		
US 6312695	B1	20011106	US 1998-123912	19980727
US 6660838	B1	20031209	US 1998-221107	19981222
US 6821518	B1	20041123	US 1999-285479	19990402
US 2003119763	A1	20030626	US 1999-466396	19991217
US 6696247	B2	20040224		
US 6706262	B1	20040316	US 1999-476496	19991230
US 6482597	B1	20021119	US 2000-480884	20000110
US 6518256	B1	20030211	US 2000-542615	20000404
US 6531315	B1	20030311	US 2000-606421	20000628.
US 6737514	B1	20040518	US 2000-630940	20000802
US 6426072	B1	20020730	US 2000-643597	20000821
US 2002052329	A1	20020502	US 2000-735705	20001212
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US 2005142620	A1	20050630	US 2004-922124	20040819
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			US 2001-7700 A	2 20011130
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			US 2004-775972 A	2 20040210

AB Compns. and methods for the therapy and diagnosis of cancer, particularly lung cancer, are disclosed. Illustrative compns. comprise one or more lung tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The lung tumor antigens and encoding polynucleotides are isolated and characterized from human lung squamous cell carcinoma cDNA expression library by PCR-based subtraction, and human monoclonal antibodies and hybridomas are generated from transgenic mice. ICM A61K048-00 IC INCL 514044000; 424093210 15-2 (Immunochemistry) Section cross-reference(s): 3, 9, 63 301546-72-5 301546-70-3 IT 301546-68-9 301546-69-0 301546-71-4

301546-76-9 301546-73-6 301546-74-7 301546-75-8 301546-77-0 301546-78-1 301546-79-2 301546-81-6 301546-82-7 301546-80-5 **301546-83-8** 301546-84-9 301546-85-0 301546-86-1 301546-90-7 301546-87-2 301546-88-3 301546-89-4 301546-91-8 387817-59-6 301546-92-9 301546-93-0 387817-58-5 387817-60-9 387817-64-3 387817-61-0 387817-62-1 387817-63-2 387817-65-4 387817-69-8 387817-66-5 387817-67-6 387817-68-7 387817-70-1 387817-71-2 387817-72-3 387817-74-5 387817-73-4 387817-75-6 387817-76-7 387817-77-8 387817-79-0 387817-78-9 387817-80-3 387817-81-4 387817-84-7 387817-82-5 387817-83-6 387817-85-8 387817-86-9 387817-89-2 387817-90-5 387817-87-0 387817-88-1 387817-91-6 387817-92-7 387817-94-9 387817-93-8 387817-95-0 387817-96-1 387817-99-4 387817-98-3 387817-97-2 387818-00-0 387818-01-1 387818-02-2 387818-03-3 387818-04-4 387818-05-5 387818-06-6 506413-96-3 506413-97-4 506450-56-2 506450-57-3 506450-60-8 506450-61-9 506450-62-0 506450-58-4 506450-59-5 506450-63-1 506450-64-2

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (lung carcinoma-derived polypeptides, polynucleotides, probes and primers, and antibodies for cancer therapy and diagnosis)

L5 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:196912 CAPLUS

DOCUMENT NUMBER: 138:236911

TITLE: Lung tumor proteins, polynucleotides and antibodies

for therapy and diagnosis of lung cancer

INVENTOR(S): Wang, Tongtong; Fan, Liqun; Kalos, Michael D.; Bangur,

Chaitanya S.; Hosken, Nancy A.; Fanger, Gary R.; Li,

Samuel X.; Wang, Aijun; Skeiky, Yasir A. W.

PATENT ASSIGNEE(S): Corixa Corporation, USA

SOURCE: U.S., 225 pp., Cont.-in-part of U.S. Ser. No. 542,615.

CODEN: USXXAM

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

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US 6531315	B1 2	20030311	US 2000-606421	20000628
US 6312695 ·	B1 2	20011106	US 1998-123912	19980727
US 6660838	B1 2	20031209	US 1998-221107	19981222
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US	2003-623155	A2	20030717
US	2004-775972	A2	20040210

ED Entered STN: 12 Mar 2003

AB Compns. and methods for the therapy and diagnosis of cancer, such as lung cancer, are disclosed. Compns. may comprise one or more lung tumor proteins, immunogenic portions thereof, or polynucleotides that encode such portions. Alternatively, a therapeutic composition may comprise an antigen presenting cell that expresses a lung tumor protein, or a T cell that is specific for cells expressing such a protein. Such compns. may be used, for example, for the prevention and treatment of diseases such as lung cancer. Diagnostic methods based on detecting a lung tumor protein, or mRNA encoding such a protein, in a sample are also provided.

IC ICM C12N005-08

ICS C12N005-06; A61K039-00

INCL 435372300; 435326000; 424184100; 424185110

CC 15-2 (Immunochemistry)

Section cross-reference(s): 3, 9, 63

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RL: PRP (Properties)

(unclaimed sequence; lung tumor proteins, polynucleotides and

antibodies for therapy and diagnosis of lung cancer)

REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:113384 CAPLUS

DOCUMENT NUMBER: 138:168806

TITLE: Lung tumor polypeptides, polynucleotides, and

antibodies for therapy and diagnosis of lung cancer Wang, Tongtong; Fan, Liqun; Kalos, Michael D.; Bangur,

Chaitanya S.; Hosken, Nancy A.; Fanger, Gary R.

PATENT ASSIGNEE(S): Corixa Corporation, USA

SOURCE: U.S., 203 pp., Cont.-in-part of U.S. Ser. No. 510,376.

CODEN: USXXAM

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

PATENT INFORMATION:

INVENTOR(S):

PATENT NO.	KIND DATI	E APPI	LICATION NO.	DATE			
							
US 6518256	B1 2003	30211 US 2	2000-542615	20000404			
US 6312695	B1 2001	11106 US 1	19980727				
US 6660838	B1 2003	31209 US 1	19981222				
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    Entered STN: 13 Feb 2003
     Compds. and methods for the treatment and diagnosis of lung cancer are
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ED

AΒ The inventive compds. include polypeptides containing at least a portion of a lung tumor protein. Vaccines and pharmaceutical compns. for immunotherapy of lung cancer comprising such polypeptides, or DNA mols. encoding such polypeptides, are also provided, together with DNA mols. for preparing the inventive polypeptides. Oligonucleotide probes and primers, and antibodies and methods and kits using these agents are also provided for monitoring lung cancer. The sequences of the lung tumor antigens were obtained from the cDNA libraries of human lung squamous cell carcinoma, lung adenocarcinoma, and metastatic lung adenocarcinoma.

ICM A01N043-04

ICS C12N015-63; C12N005-00; C07H021-04; A61K039-00

INCL 514044000; 435320100; 435325000; 435455000; 536023100; 536023500; 424184100

CC 15-2 (Immunochemistry)

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        (lung tumor polypeptides, polynucleotides, and antibodies for therapy
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                             THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS
REFERENCE COUNT:
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    ANSWER 12 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:
                       2002:887119 CAPLUS
DOCUMENT NUMBER:
                       137:381946
                       Method for determining the presence of lung cancer in
TITLE:
                       a patient
INVENTOR(S):
                       Wang, Tongtong; Hosken, Nancy A.; Kalos, Michael D.;
                       Fanger, Gary R.; Fan, Liqun
PATENT ASSIGNEE(S):
                       Corixa Corporation, USA
SOURCE:
                       U.S., 178 pp., Cont.-in-part of U.S. 476,496.
                       CODEN: USXXAM
DOCUMENT TYPE:
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LANGUAGE:
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FAMILY ACC. NUM. COUNT: 22
PATENT INFORMATION:
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ED Entered STN: 22 Nov 2002

AB The invention concerns determining the presence of lung cancer from biol. sample. The association of the binding agent, antibody, and the lung cancer-associated peptide is compared to cut-off values to indicate the presence of lung cancer in a patient. Further, the invention concerns cmpds. and methods for the treatment and diagnosis of lung cancer. The inventive compds. include polypeptides containing at least a portion of a lung tumor protein. Vaccines and pharmaceutical compns. for immunotherapy of lung cancer comprising such polypeptides, or DNA mols. encoding such polypeptides, are also provided, together with DNA mols. for preparing the inventive polypeptides.

IC ICM G01N033-53

ICS G01N033-574; C07K016-00; A61K039-395

INCL 435007100

CC 9-10 (Biochemical Methods)

Section cross-reference(s): 14, 15

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(unclaimed sequence; method for determining the presence of lung cancer in a

patient)

REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:778703 CAPLUS

DOCUMENT NUMBER: 137:290681

TITLE: Lung cancer-associated cDNAs and proteins and their

use in diagnosis and therapy

INVENTOR(S): Wang, Tongtong; Durham, Margarita; Fanger, Gary R.;

Vedvick, Thomas S.; Carter, Darrick; Watanabe, Yoshihiro; Henderson, Robert A.; Peckham, David W.;

Fanger, Neil

PATENT ASSIGNEE(S): Corixa Corporation, USA

SOURCE: U.S. Pat. Appl. Publ., 287 pp., Cont.-in-part of U.S.

Ser. No. 850,716.

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

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        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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PRIORITY APPLN. INFO.:
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                                                                A2 20040210
    Entered STN: 11 Oct 2002
     expressed in lung squamous cell carcinoma and lung adenocarcinoma are
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ED

AB The cDNAs and corresponding proteins corresponding to mRNAs differentially disclosed. Antibodies to the lung cancer-associated proteins and probes for lung cancer-associated nucleic acids may be used in diagnosis of lung cancer. The proteins and cDNAs, antibodies to the proteins, T cells specific for these tumor proteins, and antigen-presenting cells expressing an epitope of these proteins may be used in treatment of lung cancer, e.g., in vaccines. Thus, many novel lung cancer-associated cDNAs/proteins were identified and their expression in normal and tumor tissues examined Some of these cDNAs were expressed in E. coli, HEK293, and CHL-1 cells. N- and C-terminal fragments of one of the proteins were expressed as fusions with Mycobaceterium tuberculosis 32-kilodalton serine proteinase-derived peptide. CTL lines specific for one of the tumor antiqens were generated by in vitro whole-gene priming.

ICM A61K048-00

ICS A61K038-17; C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435

INCL 514012000

6-3 (General Biochemistry)

IT 301546-68-9 301546-69-0 301546-70-3 301546-71-4 301546-72-5 301546-73-6 301546-74-7 301546-75-8 301546-76-9 301546-77-0 301546-79-2 301546-78-1 301546-80-5 301546-81-6 301546-82-7 301546-83-8 301546-84-9 301546-85-0 301546-86-1

301546-87-2

Section cross-reference(s): 1, 3, 14, 15

301546-88-3 301546-89-4 301546-90-7 301546-91-8

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RL: PRP (Properties)
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(unclaimed sequence; lung cancer-associated cDNAs and proteins and their use in diagnosis and therapy)

ANSWER 14 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

2002:638210 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 137:196735

TITLE:

Differentially expressed sequences and proteins for use in the therapy and diagnosis of human lung cancer Kalos, Michael D.; McNeill, Patricia D.; Retter, Marc INVENTOR(S):

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 276 pp., Cont.-in-part of U.S.

Ser. No. 735,705.

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

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US	2002	1151	 39		A1		 2002	0822	1	US 2	001~		20	0010	 507			
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WO	2002	0001	74		A2		2002	0103		WO 2		20010628						
WO	2002	0001	74		A3	A3 20030410												
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                                           US 2004-775972
    Entered STN: 23 Aug 2002
ED
AΒ
    Lung-specific expressed genes (cDNA) and their encoded proteins useful for
     the therapy and diagnosis of cancer, particularly lung cancer, are
     identified. Illustrative compns. comprise one or more lung tumor
     polypeptides, immunogenic portions thereof, polynucleotides that encode
     such polypeptides, antigen presenting cell that expresses such
     polypeptides, and T cells that are specific for cells expressing such
     polypeptides. The disclosed compns. are useful, for example, in the
     diagnosis, prevention and/or treatment of diseases, particularly lung
     cancer.
     ICM C12N009-00
         C07H021-04; C12P021-02; C07K014-435; C12N005-06
     ICS
INCL 435069100
     3-3 (Biochemical Genetics)
     Section cross-reference(s): 1, 9, 14, 15, 63
IT
     301546-69-0
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     RL: ANT (Analyte); BSU (Biological study, unclassified); DGN (Diagnostic
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use); PRP (Properties); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)

(L726P-derived peptide; differentially expressed sequences and proteins for use in therapy and diagnosis of human lung cancer)

L5 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER:

2002:570640 CAPLUS

DOCUMENT NUMBER:

137:139349

TITLE:

Lung tumor proteins, polynucleotides and antibodies

for therapy and diagnosis of lung cancer

INVENTOR (S):

Wang, Tongtong; Fan, Liqun; Kalos, Michael D.; Bangur, Chaitanya S.; Hosken, Nancy A.; Fanger, Gary R.; Li,

• •

Samuel X.; Wang, Aijun; Skeiky, Yasir A. W.;

Henderson, Robert A.; McNeill, Patricia D.

PATENT ASSIGNEE(S):

Corixa Corporation, USA

SOURCE:

U.S., 233 pp., Cont.-in-part of U.S. Ser. No. 630,940.

CODEN: USXXAM

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 22

PATENT N	0.	KIND	DATE	APPLICATION NO.	DATE					
US 64260	72	 В1	20020730	US 2000-643597	20000821					
US 67375		B1	20040518	US 2000-630940	20000802					
US 20020	52329	A1	20020502	US 2000-735705	20001212					
WO 20020	00174	A2	20020103	WO 2001-US21065	20010628					
WO 20020		A3	20030410	2001 0521005	20010020					
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US 2004-775972
                   A2 20040210
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ED Entered STN: 01 Aug 2002

AB Compns. and methods for the therapy and diagnosis of cancer, such as lung cancer, are disclosed. Compns. may comprise one or more lung tumor proteins, immunogenic portions thereof, or polynucleotides that encode such portions. Alternatively, a therapeutic composition may comprise an antigen presenting cell that expresses a lung tumor protein, or a T cell that is specific for cells expressing such a protein. Such compns. may be used, for example, for the prevention and treatment of diseases such as lung cancer. Diagnostic methods based on detecting a lung tumor protein (by immunoassay with antibodies, monoclonal antibodies or fragments), or mRNA encoding such a protein (by hybridization with oligonucleotide probes and primers), in a sample are also provided.

IC ICM A61K039-00

> ICS C07H021-04; C12N015-63; C07K005-00; C07K014-00

INCL 424184100

. . .

CC 15-2 (Immunochemistry)

Section cross-reference(s): 3, 9, 63

IT 301546-68-9 301546-69-0 301546-70-3 301546-71-4 301546-72-5 301546-73-6 301546-74-7 301546-75-8 301546-76-9 301546-77-0 301546-78-1 301546-79-2 301546-80-5 301546-81-6 301546-82-7 301546-83-8 301546-84-9 301546-85-0 301546-86-1 301546-88-3 301546-87-2 301546-89-4 301546-90-7 301546-91-8 301546-93-0 301546-92-9 387817-58-5 387817-59-6

RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (lung tumor proteins, polynucleotides and antibodies for therapy and diagnosis of lung cancer)

REFERENCE COUNT:

41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 16 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:332673 CAPLUS

DOCUMENT NUMBER:

136:354185

TITLE:

Lung tumor-specific antigen, chimeric antigens, polynucleotides, and antibodies for therapy and

diagnosis of lung cancer

INVENTOR (S):

Wang, Tongtong; Fan, Liqun; Kalos, Michael D.; Bangur, Chaitanya S.; Hosken, Nancy A.; Fanger, Gary R.; Li,

Samuel X.; Wang, Aijun; Skeiky, Yasir A. W.; Henderson, Robert A.; McNeill, Patricia D.; Fanger,

Neil

PATENT ASSIGNEE(S):

SOURCE:

U.S. Pat. Appl. Publ., 259 pp., Cont.-in-part of U.S.

Ser. No. 685,696. CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

PATENT NO.	KIND	DATE		DATE
US 2002052329	A1	20020502	US 2000-735705	20001212
US 6312695	B1	20011106	US 1998-123912	19980727
US 6660838	B1	20031209	US 1998-221107	19981222
US 6821518	B1	20041123	US 1999-285479	19990402
US 2003119763	A1	20030626	US 1999-466396	19991217
US 6696247	B2	20040224	170 1000 476406	10001000
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US 6518256 US 6531315	B1	20030211 20030311	US 2000-542615 US 2000-606421	20000404 20000628
US 6737514	B1	20030311	US 2000-630940	20000828
US 6426072	B1	20020730	US 2000-643597	20000821
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			MK, MN, MW, MX, MZ, M	
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     Entered STN: 03 May 2002
AΒ
     Compns. and methods for the therapy and diagnosis of cancer, particularly
     lung cancer, are disclosed. Illustrative compns. comprise one or more
     lung tumor polypeptides, immunogenic portions thereof, polynucleotides
     that encode such polypeptides, antigen presenting cell that expresses such
     polypeptides, and T cells that are specific for cells expressing such
     polypeptides. The disclosed compns. are useful, for example, in the
     diagnosis, prevention and/or treatment of diseases, particularly lung
     cancer.
IC
     ICM A61K048-00
          C120001-68; G01N033-574; C07H021-04; C12N009-00
     ICS
INCL 514044000
     15-2 (Immunochemistry)
     Section cross-reference(s): 3, 9, 63
IT
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RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (lung tumor-specific antigen, chimeric antigens, polynucleotides, and antibodies for therapy and diagnosis of lung cancer)

ANSWER 17 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN ACCESSION NUMBER: 2002:10236 CAPLUS

DOCUMENT NUMBER: 136:101081

TITLE: Compositions and methods for the therapy and diagnosis

of lung cancer

INVENTOR (S): Wang, Tongtong; Wang, Aijun; Skeiky, Yasir A. W.; Li,

> Samuel X.; Kalos, Michael D.; Henderson, Robert A.; Mcneill, Patricia D.; Fanger, Neil; Retter, Marc W.; Marnerakis, Margarita; Fanger, Gary Richard; Vedvick,

•

Thomas S.; Carter, Darrick; Watanabe, Yoshihiro;

Peckham, David W.

PATENT ASSIGNEE(S): Corixa Corp., USA

SOURCE: PCT Int. Appl., 374 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

PATENT INFORMATION: חות שמששת אום

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US 2000-542615 A2 20000404 WO 2001-US21065 W 20010628

ED Entered STN: 04 Jan 2002

AB Compns. and methods for the therapy and diagnosis of cancer, particularly lung cancer, are disclosed. Illustrative compns. comprise one or more lung tumor polypeptides, immunogenic portions thereof, polynucleotides that encode such polypeptides, antigen presenting cell that expresses such polypeptides, and T cells that are specific for cells expressing such polypeptides. The disclosed compns. are useful, for example, in the diagnosis, prevention and/or treatment of diseases, particularly lung cancer.

IC ICM A61K

CC 15-2 (Immunochemistry)

Section cross-reference(s): 3, 9, 63

IT 301546-68-9 301546-69-0 301546-70-3 301546-71-4 301546-72-5 301546-73-6 301546-74-7 301546-75-8 301546-76-9 301546-77-0 301546-78-1 301546-79-2 301546-80-5 301546-81-6 301546-82-7 301546-83-8 301546-84-9 301546-85-0 301546-86-1 301546-87-2 301546-88-3 301546-89-4 301546-90-7 301546-91-8 301546-92-9 301546-93-0 387817-62-1 387817-63-2 387817-64-3 387817-65-4 387817-66-5 387817-67-6 387817-68-7 387817-69-8 387817-70-1 387817-71-2 387817-72-3 387817-73-4 387817-74-5 387817-75-6 387817-76-7 387817-77-8 387817-78-9 387817-79-0 387817-80-3 387817-81-4 387817-82-5 387817-83-6 387817-84-7 387817-85-8 387817-86-9 387817-87-0 387817-88-1 387817-89-2 387817-90-5 387817-91-6 387817-92-7 387817-93-8 387817-94-9 387817-95-0 387817-96-1 387817-97-2 387817-98-3 387817-99-4 387818-00-0 387818-01-1 387818-02-2 387818-03-3 387818-04-4 387818-05-5 387818-06-6

RL: PRP (Properties)

(unclaimed sequence; compns. and methods for the therapy and diagnosis of lung cancer)

L5 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:742121 CAPLUS

DOCUMENT NUMBER: 133:308983

TITLE: Compounds and methods for therapy and diagnosis of

lung cancer

INVENTOR(S): Wang, Tongtong; Fan, Liqun
PATENT ASSIGNEE(S): Corixa Corporation, USA
SOURCE: PCT Int. Appl., 261 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

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WO 2	0 2000061612			A3		20010426												
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                                                           A2 19981222
                                          WO 1999-US5798
                                                            A1 19990317
                                          WO 2000-US8896
                                                           W 20000403
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ED Entered STN: 20 Oct 2000

AB Compds. and methods for the treatment and diagnosis of lung cancer are provided. The inventive compds. include polypeptides containing at least a portion of a lung tumor protein. Vaccines and pharmaceutical compns. for immunotherapy of lung cancer comprising such polypeptides, or DNA mols. encoding such polypeptides, are also provided, together with DNA mols. for preparing the inventive polypeptides.

IC ICM C07K014-00

CC 15-2 (Immunochemistry)

Section cross-reference(s): 3

IT 301546-68-9 301546-69-0 301546-70-3 301546-71-4 301546-72-5 301546-73-6 301546-74-7 301546-75-8 301546-76-9 301546-77-0 301546-78-1 301546-79-2 301546-80-5 301546-81-6 301546-82-7 301546-87-2 301546-84-9 301546-85-0 301546-86-1 301546-87-2 301546-89-4 301546-90-7 301546-91-8 301546-92-9 301546-93-0

RL: BSU (Biological study, unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(lung tumor proteins and DNA encoding them for therapy and diagnosis of lung cancer)